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## OCCURRENCE AND GEOGRAPHIC DISTRIBUTION OF DISEASE AS SHOWN BY MORBIDITY REPORTS.

The State morbidity reports, which follow, are those made pursuant to the resolution adopted by the Tenth Annual Conference of State and Territorial Health Authorities with the Public Health Service June 1, 1912. Blanks for the making of these reports have only recently been prepared and distributed, and the reports now published are those made to this time. The State department of health of Minnesota began these reports with the month of June, 1912. The other States that have made reports began with the month of October.

### SMALLPOX.

#### MINNESOTA REPORTS FOR JUNE, JULY, AUGUST, AND SEPTEMBER, 1912.

| Places.                      | New cases reported during month. | Deaths. | Vaccination history of cases.               |   |                                |  |
|------------------------------|----------------------------------|---------|---|---|--------------------------------|--|
|                              |                                  |         | Vaccinated within 7 years preceding attack. | Last vaccinated more than 7 years preceding attack. | Never successfully vaccinated. | Vaccination history not obtained or uncertain. |
| <b>June:</b>                 |                                  |         |   |   |                                |  |
| Aitkin County—               |                                  |         |   |   |                                |  |
| Aitkin .....                 | 1                                |         |   |   | 1                              |  |
| Farm Island Township .....   | 1                                |         |   |   | 1                              |  |
| Carlton County—              |                                  |         |   |   |                                |  |
| Moose Lake .....             | 2                                |         |   |   | 2                              |  |
| Crow Wing County—            |                                  |         |   |   |                                |  |
| Crosby .....                 | 2                                |         |   | 1   | 1                              |  |
| Dakota County—               |                                  |         |   |   |                                |  |
| Inver Grove .....            | 2                                |         |   | 1   | 1                              |  |
| Hennepin County—             |                                  |         |   |   |                                |  |
| Minneapolis .....            | 46                               |         |   |   |                                | 46   |
| Isanti County—               |                                  |         |   |   |                                |  |
| Isanti Township .....        | 1                                |         | 1   |   |                                |  |
| Lincoln County—              |                                  |         |   |   |                                |  |
| Lake Benton .....            | 1                                |         |   | 1   |                                |  |
| Lyon County—                 |                                  |         |   |   |                                |  |
| Custer Township .....        | 15                               |         |   | 15  |                                |  |
| Mower County—                |                                  |         |   |   |                                |  |
| Austin .....                 | 4                                |         |   |   | 2                              | 2  |
| Austin Township .....        | 1                                |         | 1   |   |                                |  |
| Murray County—               |                                  |         |   |   |                                |  |
| Lake Sarah Township .....    | 1                                |         |   |   | 1                              |  |
| Otter Tail County—           |                                  |         |   |   |                                |  |
| Fergus Falls .....           | 5                                |         |   |   |                                | 5  |
| Polk County—                 |                                  |         |   |   |                                |  |
| Crookston .....              | 1                                |         |   |   | 1                              |  |
| Ramsey County—               |                                  |         |   |   |                                |  |
| St. Paul .....               | 99                               |         | 9   | 6   | 81                             | 3  |
| Red Lake County—             |                                  |         |   |   |                                |  |
| Lake Pleasant Township ..... | 1                                |         |   |   | 1                              |  |
| Redwood County—              |                                  |         |   |   |                                |  |
| Charlestown Township .....   | 1                                |         |   |   | 1                              |  |
| Rice County—                 |                                  |         |   |   |                                |  |
| Cannon City Township .....   | 2                                |         |   | 1   | 1                              |  |
| Northfield .....             | 5                                |         |   |   | 4                              | 1  |
| Wells Township .....         | 3                                |         |   |   | 3                              |  |
| Wolcott Township .....       | 1                                |         |   |   | 1                              |  |
| St. Louis County—            |                                  |         |   |   |                                |  |
| Duluth .....                 | 1                                |         |   |   | 1                              |  |
| Todd County—                 |                                  |         |   |   |                                |  |
| Staples .....                | 1                                |         |   |   | 1                              |  |
| Traverse County—             |                                  |         |   |   |                                |  |
| Monson Township .....        | 2                                |         |   | 1   | 1                              |  |
| <b>Total .....</b>           | <b>199</b>                       |         | <b>11</b>                                   | <b>26</b>   | <b>105</b>                     | <b>57</b>                                      |

## SMALLPOX—Continued.

*Minnesota reports for June, July, August, and September, 1912—Continued.*

| Places.                     | New cases reported during month. | Deaths. | Vaccination history of cases.               |   |                                |  |
|-----------------------------|----------------------------------|---------|---|---|--------------------------------|--|
|                             |                                  |         | Vaccinated within 7 years preceding attack. | Last vaccinated more than 7 years preceding attack. | Never successfully vaccinated. | Vaccination history not obtained or uncertain. |
| <b>July:</b>                |                                  |         |   |   |                                |  |
| Aitkin County—              |                                  |         |   |   |                                |  |
| Unorganized township .....  | 1                                |         |   |   | 1                              |  |
| Big Stone County—           |                                  |         |   |   |                                |  |
| Clinton Township .....      | 1                                |         |   |   |                                | 1  |
| Goodhue County—             |                                  |         |   |   |                                |  |
| Vasa Township .....         | 2                                |         |   |   |                                | 2  |
| Hennepin County—            |                                  |         |   |   |                                |  |
| Minneapolis .....           | 24                               |         |   |   |                                | 24   |
| Lyon County—                |                                  |         |   |   |                                |  |
| Custer Township .....       | 14                               |         |   |   | 14                             |  |
| Murray County—              |                                  |         |   |   |                                |  |
| Lake Sarah Township .....   | 6                                |         |   |   | 6                              |  |
| Ramsey County—              |                                  |         |   |   |                                |  |
| St. Paul .....              | 39                               |         |   | 1   | 38                             |  |
| St. Louis County—           |                                  |         |   |   |                                |  |
| Duluth .....                | 8                                |         |   |   | 8                              |  |
| Washington County—          |                                  |         |   |   |                                |  |
| Stillwater .....            | 2                                |         |   |   | 1                              | 1  |
| Total .....                 | 97                               |         |   | 1   | 68                             | 28   |
| <b>August:</b>              |                                  |         |   |   |                                |  |
| Blue Earth County—          |                                  |         |   |   |                                |  |
| Mankato .....               | 1                                |         |   |   |                                | 1  |
| Carlton County—             |                                  |         |   |   |                                |  |
| Moose Lake .....            | 1                                |         |   |   |                                | 1  |
| Skelton Township .....      | 1                                |         |   |   | 1                              |  |
| Fillmore County—            |                                  |         |   |   |                                |  |
| Bristol Township .....      | 1                                |         |   | 1   |                                |  |
| Hennepin County—            |                                  |         |   |   |                                |  |
| Minneapolis .....           | 11                               |         |   | 1   | 10                             |  |
| Itasca County—              |                                  |         |   |   |                                |  |
| Bovey .....                 | 1                                |         |   | 1   |                                |  |
| Lyon County—                |                                  |         |   |   |                                |  |
| Monroe Township .....       | 1                                |         |   |   | 1                              |  |
| Tracy .....                 | 1                                |         |   |   | 1                              |  |
| Ramsey County—              |                                  |         |   |   |                                |  |
| St. Paul .....              | 3                                |         |   | 1   | 2                              |  |
| Rice County—                |                                  |         |   |   |                                |  |
| Walcott Township .....      | 2                                |         | 2   |   |                                |  |
| Rock County—                |                                  |         |   |   |                                |  |
| Martin Township .....       | 2                                |         |   |   | 2                              |  |
| St. Louis County—           |                                  |         |   |   |                                |  |
| Duluth .....                | 6                                |         |   |   | 6                              |  |
| Scott County—               |                                  |         |   |   |                                |  |
| Belle Plaine Township ..... | 1                                |         |   |   | 1                              |  |
| Total .....                 | 32                               |         | 2   | 4   | 24                             | 2  |
| <b>September:</b>           |                                  |         |   |   |                                |  |
| Aitkin County—              |                                  |         |   |   |                                |  |
| Nordland Township .....     | 2                                |         |   |   | 2                              |  |
| Hennepin County—            |                                  |         |   |   |                                |  |
| Minneapolis .....           | 13                               |         |   |   | 13                             |  |
| Mower County—               |                                  |         |   |   |                                |  |
| Lansing Township .....      | 4                                |         |   |   | 4                              |  |
| Olmsted County—             |                                  |         |   |   |                                |  |
| Oronoco Township .....      | 1                                |         |   |   | 1                              |  |
| St. Louis County—           |                                  |         |   |   |                                |  |
| Duluth .....                | 5                                |         |   | 1   | 4                              |  |
| Steele County—              |                                  |         |   |   |                                |  |
| Summit Township .....       | 1                                |         |   |   | 1                              |  |
| Winona County—              |                                  |         |   |   |                                |  |
| Fremont Township .....      | 6                                |         |   |   |                                | 6  |
| Yellow Medicine County—     |                                  |         |   |   |                                |  |
| Echo Township .....         | 3                                |         |   |   | 3                              |  |
| Total .....                 | 35                               |         |   | 1   | 28                             | 6  |

## SMALLPOX—Continued.

## STATE REPORTS FOR OCTOBER, 1912.

| Places.                      | New cases reported during month. | Deaths. | Vaccination history of cases.               |   |                                |  |
|------------------------------|----------------------------------|---------|---|---|--------------------------------|--|
|                              |                                  |         | Vaccinated within 7 years preceding attack. | Last vaccinated more than 7 years preceding attack. | Never successfully vaccinated. | Vaccination history not obtained or uncertain. |
| <b>Alabama:</b>              |                                  |         |   |   |                                |  |
| Bibb County.....             | 2                                |         |   |   |                                |  |
| Montgomery County.....       | 1                                |         |   |   |                                |  |
| Pickens County.....          | 8                                |         |   |   |                                |  |
| Tuscaloosa County.....       | 16                               |         |   |   |                                |  |
| Total.....                   | 27                               |         |   |   |                                |  |
| <b>Kansas:</b>               |                                  |         |   |   |                                |  |
| Coffey County.....           | 4                                |         |   |   |                                |  |
| Geary County.....            | 3                                |         |   |   |                                |  |
| Total.....                   | 7                                |         |   |   |                                |  |
| <b>Massachusetts:</b>        |                                  |         |   |   |                                |  |
| Essex County—                |                                  |         |   |   |                                |  |
| Newburyport.....             | 10                               |         |   | 1   | 9                              |  |
| Worcester County—            |                                  |         |   |   |                                |  |
| Lancaster.....               | 18                               | 1       |   |   | 14                             | 4  |
| Total.....                   | 28                               | 1       |   | 1   | 23                             | 4  |
| <b>Minnesota:</b>            |                                  |         |   |   |                                |  |
| Aitkin County—               |                                  |         |   |   |                                |  |
| Farm Island Township.....    | 5                                |         |   |   | 5                              |  |
| Nordland Township.....       | 12                               |         |   |   | 12                             |  |
| Brown County—                |                                  |         |   |   |                                |  |
| Sleepy Eye.....              | 1                                |         |   | 1   |                                |  |
| Hennepin County—             |                                  |         |   |   |                                |  |
| Minneapolis.....             | 17                               |         | 1   |   | 16                             |  |
| Kandiyohi County—            |                                  |         |   |   |                                |  |
| Willmar.....                 | 1                                |         |   |   | 1                              |  |
| Meeker County—               |                                  |         |   |   |                                |  |
| Dassel.....                  | 3                                |         |   |   | 3                              |  |
| Dassel Township.....         | 1                                |         |   |   | 1                              |  |
| Mower County—                |                                  |         |   |   |                                |  |
| Austin.....                  | 1                                |         |   | 1   |                                |  |
| Lansing Township.....        | 1                                |         |   | 1   |                                |  |
| Olmsted County—              |                                  |         |   |   |                                |  |
| New Haven Township.....      | 1                                |         |   |   | 1                              |  |
| Ramsey County—               |                                  |         |   |   |                                |  |
| St. Paul.....                | 4                                |         |   |   | 4                              |  |
| St. Louis County—            |                                  |         |   |   |                                |  |
| Duluth.....                  | 1                                |         |   |   | 1                              |  |
| Scott County—                |                                  |         |   |   |                                |  |
| Jordan.....                  | 2                                |         |   |   | 2                              |  |
| Sand Creek Township.....     | 1                                |         |   |   | 1                              |  |
| Steele County—               |                                  |         |   |   |                                |  |
| Blooming Prairie.....        | 1                                |         |   |   | 1                              |  |
| Washington County—           |                                  |         |   |   |                                |  |
| Stillwater.....              | 1                                |         |   |   | 1                              |  |
| Total.....                   | 53                               |         | 1   | 3   | 49                             |  |
| <b>New York:</b>             |                                  |         |   |   |                                |  |
| Essex County—                |                                  |         |   |   |                                |  |
| Moriah Township.....         | 3                                |         |   | 1   | 2                              |  |
| Ticonderoga Township.....    | 1                                |         |   |   | 1                              |  |
| Franklin County—             |                                  |         |   |   |                                |  |
| Bombay Township.....         | 27                               |         |   | 8   | 19                             |  |
| Constable Township.....      | 1                                |         |   |   | 1                              |  |
| Fort Covington Township..... | 3                                |         |   | 1   | 2                              |  |
| Fort Covington.....          | 1                                |         |   | 1   |                                |  |
| Niagara County—              |                                  |         |   |   |                                |  |
| Lockport.....                | 1                                |         |   |   |                                | 1  |
| Niagara Falls.....           | 1                                |         |   |   |                                | 1  |
| North Tonawanda.....         | 2                                |         |   | 1   | 1                              |  |
| St. Lawrence County—         |                                  |         |   |   |                                |  |
| Massena Township.....        | 1                                |         |   |   |                                | 1  |
| Stockholm Township.....      | 1                                |         |   |   | 1                              |  |
| Steuben County—              |                                  |         |   |   |                                |  |
| Bath.....                    | 1                                |         |   |   | 1                              |  |
| Washington County—           |                                  |         |   |   |                                |  |
| Greenwich Township.....      | 2                                |         |   |   |                                | 2  |
| Saratoga County—             |                                  |         |   |   |                                |  |
| Saratoga.....                | 1                                |         |   |   | 1                              |  |
| Total.....                   | 46                               |         |   | 12  | 29                             | 5  |

## SMALLPOX—Continued.

CASES AND DEATHS REPORTED BY CITY HEALTH AUTHORITIES FOR  
THE WEEK ENDED NOV. 16, 1912.

| Place.                 | Cases. | Deaths. | Place.                      | Cases. | Deaths. |
|------------------------|--------|---------|-----------------------------|--------|---------|
| Baltimore, Md.....     | 1      | .....   | Milwaukee, Wis.....         | 4      | .....   |
| Cincinnati, Ohio.....  | 1      | .....   | New York, N. Y.....         | 1      | .....   |
| Cumberland, Md.....    | 7      | .....   | Niagara Falls, N. Y.....    | 1      | .....   |
| Detroit, Mich.....     | 7      | .....   | Oakland, Cal.....           | 1      | .....   |
| Duluth, Minn.....      | 1      | .....   | San Francisco, Cal.....     | 9      | 1       |
| Evansville, Ind.....   | 11     | .....   | Saratoga Springs, N. Y..... | 1      | .....   |
| Kansas City, Kans..... | 2      | .....   | Spokane, Wash.....          | 2      | .....   |
| Knoxville, Tenn.....   | 1      | .....   | Steelton, Pa.....           | 1      | .....   |
| La Crosse, Wis.....    | 7      | .....   |                             |        |         |

## TYPHOID FEVER.

MINNESOTA REPORTS FOR JUNE, JULY, AUGUST, AND SEPTEMBER,  
1912.

| Place.                      | New cases reported during month. | Place.                     | New cases reported during month. |
|-----------------------------|----------------------------------|----------------------------|----------------------------------|
| <b>June:</b>                |                                  | <b>July—Continued.</b>     |                                  |
| Anoka County—               |                                  | Nicollet County—           |                                  |
| Anoka.....                  | 4                                | Lake Prairie Township..... | 1                                |
| Beltrami County—            |                                  | Olmsted County—            |                                  |
| Blackduck.....              | 7                                | Rochester.....             | 5                                |
| Summit Township.....        | 2                                | Ramsey County—             |                                  |
| Tenstrike.....              | 1                                | St. Paul.....              | 10                               |
| Chippewa County—            |                                  | North St. Paul.....        | 1                                |
| Granite Falls.....          | 2                                | St. Louis County—          |                                  |
| Granite Falls Township..... | 1                                | Duluth.....                | 19                               |
| Crow Wing County—           |                                  | Stearns County—            |                                  |
| Brainerd.....               | 4                                | Albany Township.....       | 1                                |
| Freeborn County—            |                                  | Wabasha County—            |                                  |
| Albert Lea.....             | 1                                | Wabasha.....               | 1                                |
| Hennepin County—            |                                  | Washington County—         |                                  |
| Minneapolis.....            | 21                               | Stillwater.....            | 6                                |
| St. Louis Park.....         | 1                                | Total.....                 | 57                               |
| Itasca County—              |                                  | <b>August:</b>             |                                  |
| Ardenhurst Township.....    | 1                                | Becker County—             |                                  |
| Kandiyohi County—           |                                  | Detroit.....               |                                  |
| Willmar.....                | 1                                | Clay County—               |                                  |
| Koochiching County—         |                                  | Hawley.....                | 1                                |
| Englewood Township.....     | 1                                | Douglas County—            |                                  |
| Northome.....               | 2                                | Alexandria.....            | 1                                |
| McLeod County—              |                                  | Freeborn County—           |                                  |
| Helen Township.....         | 1                                | Alden.....                 | 1                                |
| Mille Lacs County—          |                                  | Goodhue County—            |                                  |
| Milaca.....                 | 1                                | Red Wing.....              | 1                                |
| Olmsted County—             |                                  | Hennepin County—           |                                  |
| Rochester.....              | 4                                | Minneapolis.....           | 22                               |
| Otter Tail County—          |                                  | Nobles County—             |                                  |
| Fergus Falls.....           | 1                                | Ellsworth.....             | 1                                |
| Pipestone County—           |                                  | Olmsted County—            |                                  |
| Woodstock.....              | 1                                | Elmira Township.....       | 1                                |
| Ramsey County—              |                                  | Rochester.....             | 1                                |
| St. Paul.....               | 3                                | Otter Tail County—         |                                  |
| Redwood County—             |                                  | Fergus Falls.....          | 3                                |
| Redwood Falls.....          | 1                                | Ramsey County—             |                                  |
| St. Louis County—           |                                  | St. Paul.....              | 22                               |
| Duluth.....                 | 11                               | St. Louis County—          |                                  |
| Stearns County—             |                                  | Duluth.....                | 5                                |
| Kimball.....                | 1                                | Virginia.....              | 2                                |
| Total.....                  | 73                               | Stearns County—            |                                  |
|                             |                                  | St. Cloud.....             | 2                                |
| <b>July:</b>                |                                  | Steele County—             |                                  |
| Chippewa County—            |                                  | Owatonna.....              | 5                                |
| Granite Falls.....          | 2                                | Stevens County—            |                                  |
| Clay County—                |                                  | Hancock.....               | 1                                |
| Hawley.....                 | 3                                | Todd County—               |                                  |
| Goodhue County—             |                                  | Long Prairie.....          | 1                                |
| Red Wing.....               | 1                                | Yellow Medicine County—    |                                  |
| Hennepin County—            |                                  | Granite Falls.....         | 1                                |
| Minneapolis.....            | 6                                | Total.....                 | 72                               |
| Itasca County—              |                                  |                            |                                  |
| Nashauk.....                | 1                                |                            |                                  |